LC A 280.4   450.00   of CAR40.0

LC A 280.1   450.00   of CAR40.0

DATA   GAR40.0

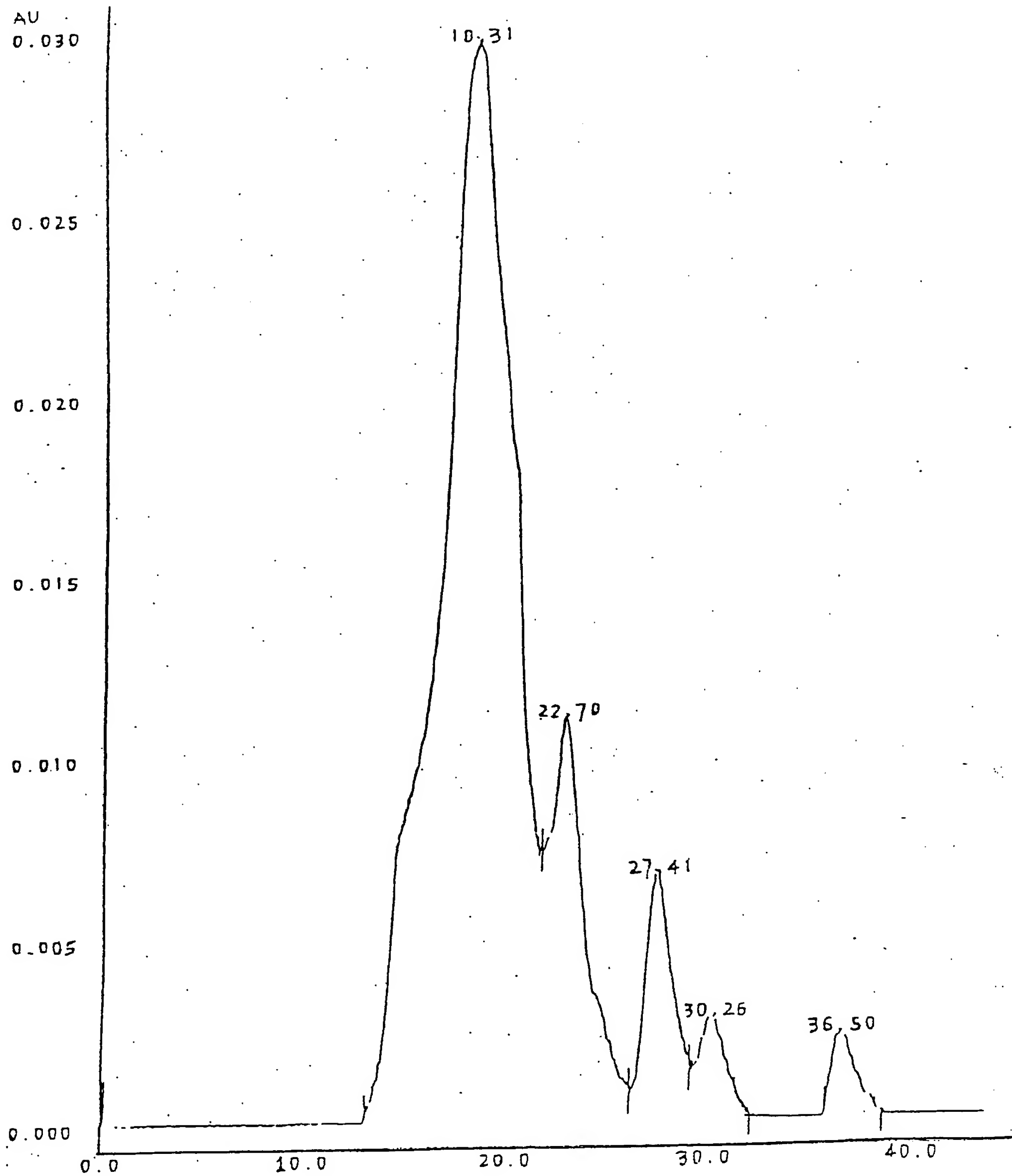| (Peaks)	(Ret Time)	(Type)	(Width)	(Area)	(Start Time)	(End Time)	
1	31.263	UU	1.205	4412	26.896	31.623	5165
2	32.747	UU	1.331	7448	31.623	34.463	3709
3	36.012	UU	0.955	2143	34.463	36.572	2236
4	38.731	UU	0.774	1296	37.714	41.490	975

$X=6.7447-0.09697X$ $Y=-0.9937$

FIG.1

FIG.2

Injecting
Cardio myopeptidin

standard
sample
cardio
— myopeptidio —

standard
sample
cardio
myopeptidio

4.66

4.66

10.92

10.92

FIG.3

SPECTRUM
DATA PROCESS / RESULT

2.746   A: s

Abs

-0.250
         190.0   nm   400.0

Peak Pick

2.746   5:
2.000
1.500
1.000
0.500
-0.250   nm
Abs   190.0   300.0   400.0

> Select Ponotion.

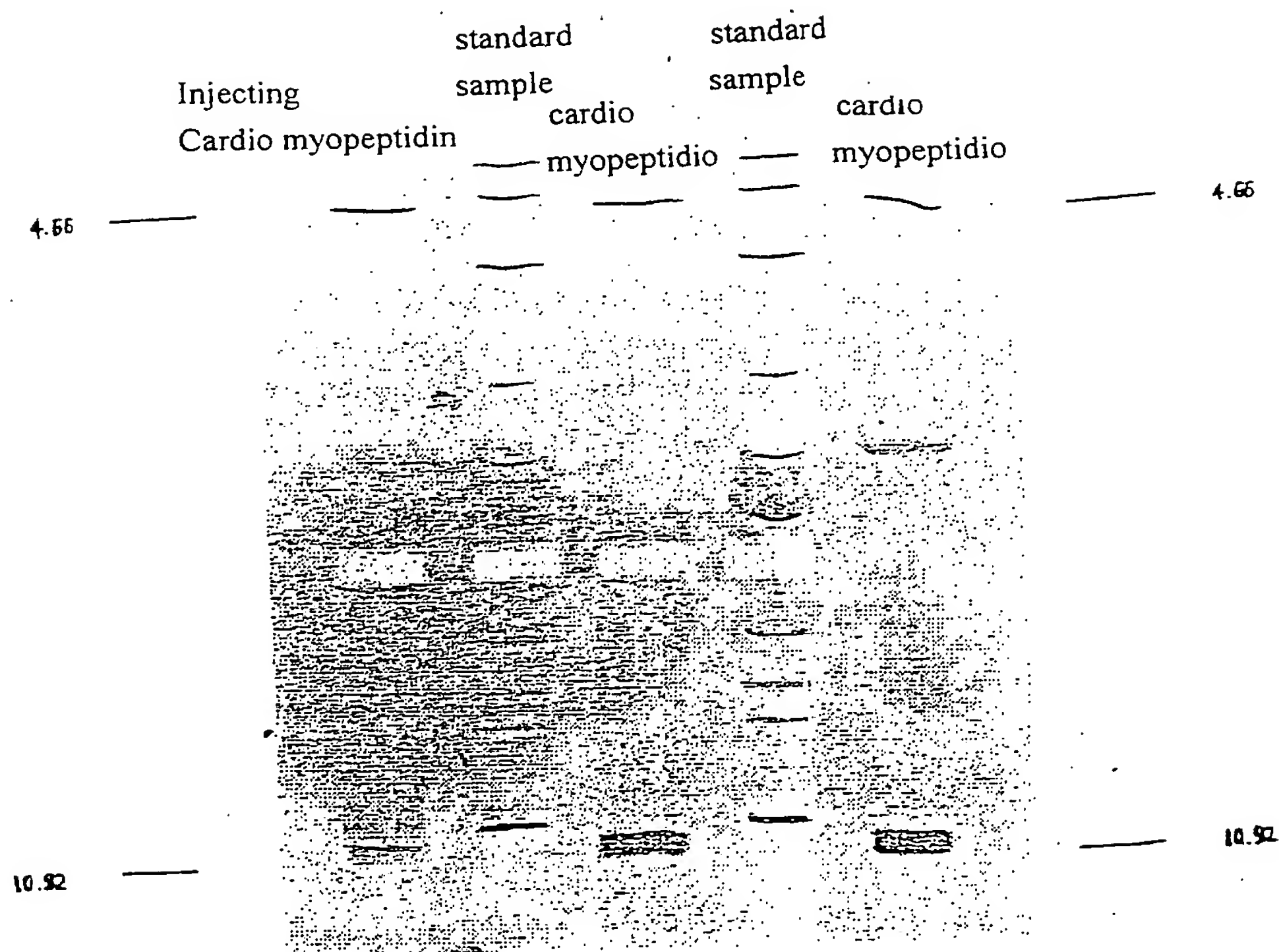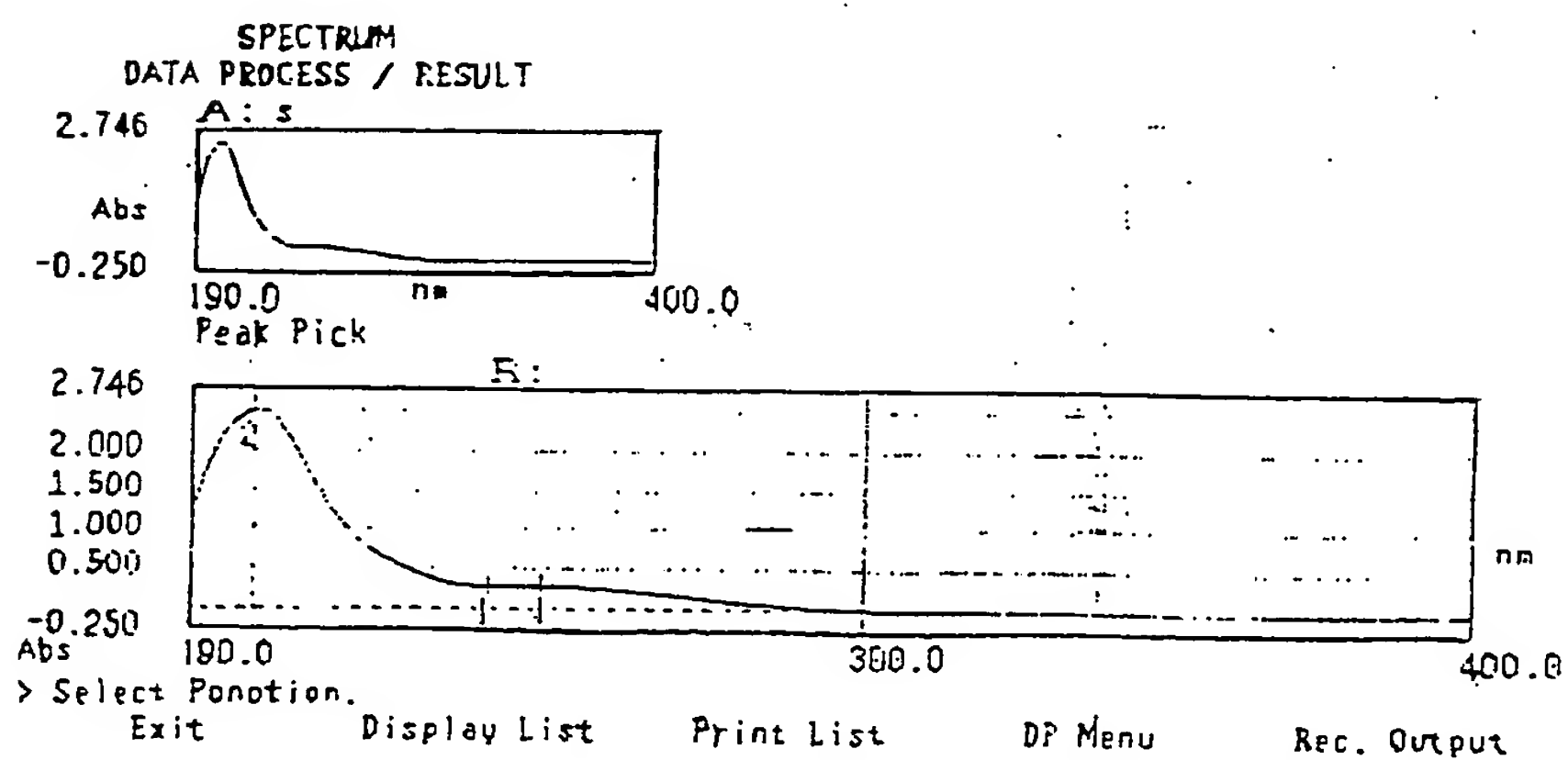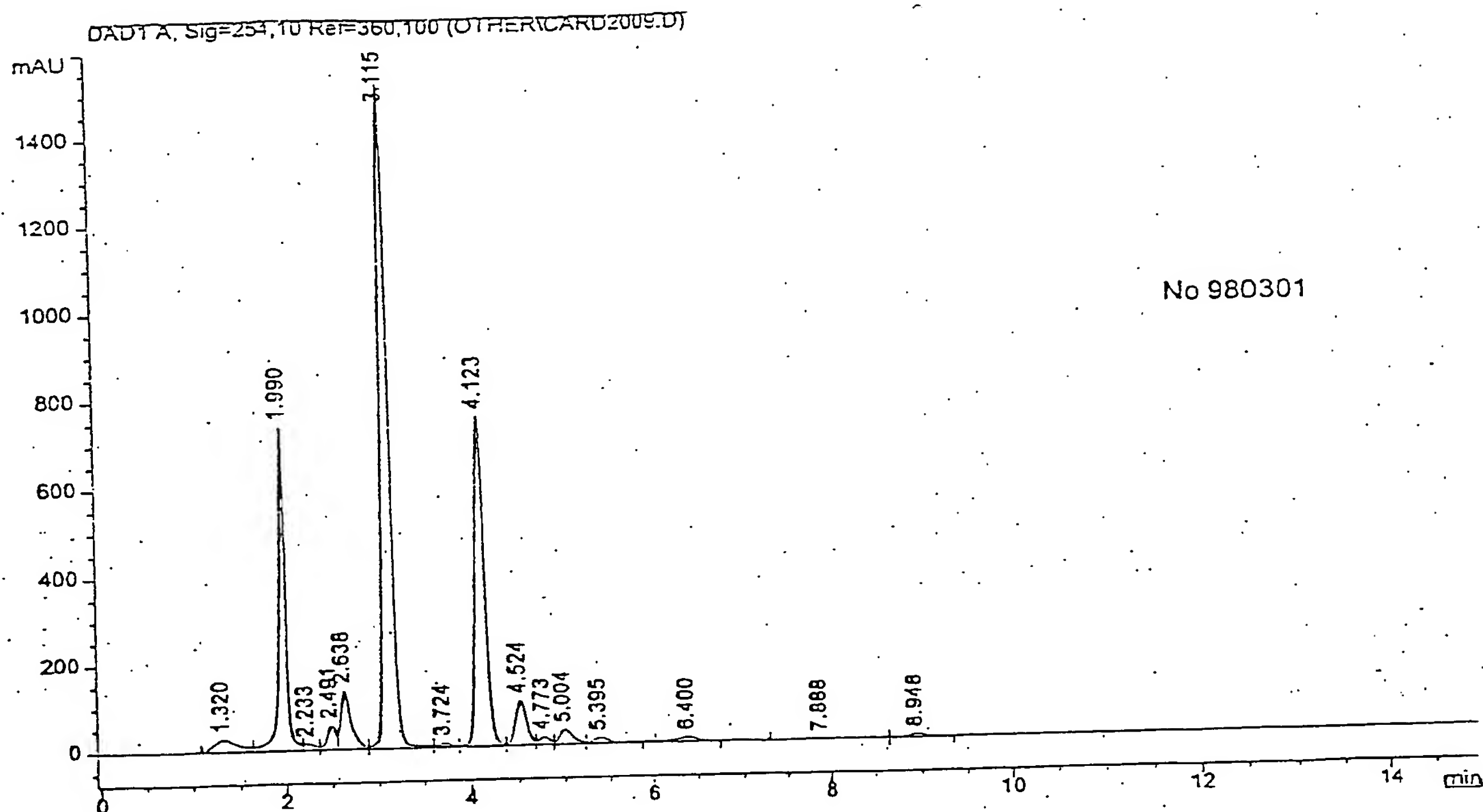Exit   Display List   Print List   DP Menu   Rec. Output

NO.	ARSCISSA	PEAK	HEIGHT	ABSCISSA	VALIEY	HEIGHT
1	247.4	0.2884	0.0239	238.8	0.2818	-0.4106
2	200.4	2.4966	1.4000			

FIG.4

3/9

DAD1 A, Sig=254,10 Ref=360,100 (OTHERICARD2009.D)

No 980301


```
=================================================================
                    Area Percent Report
=================================================================
```

Sorted By   :   Signal
Multiplier   :   1.0000
Dilution   :   1.0000

Signal 1: DAD1 A, Sig=254,10 Ref=360,100

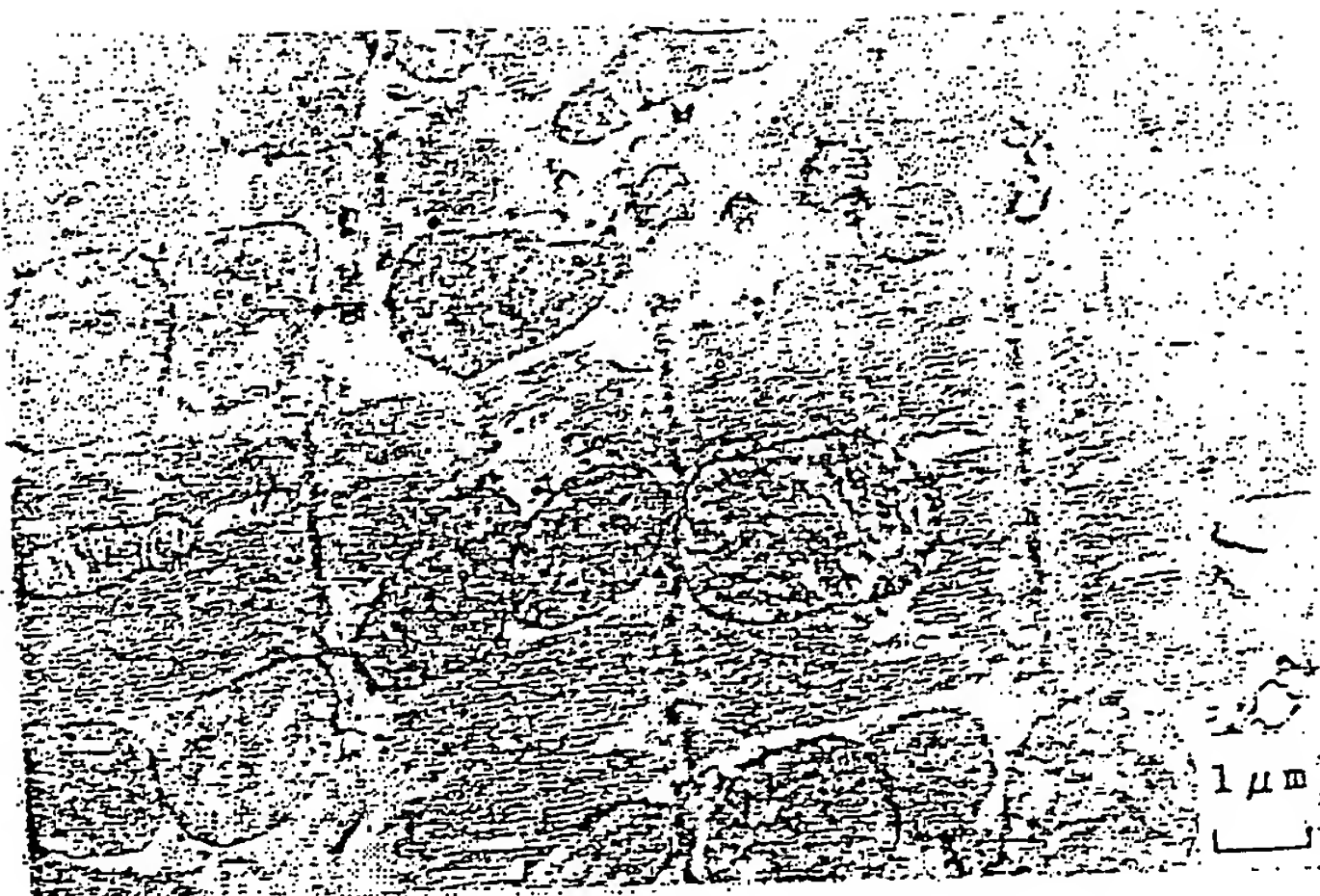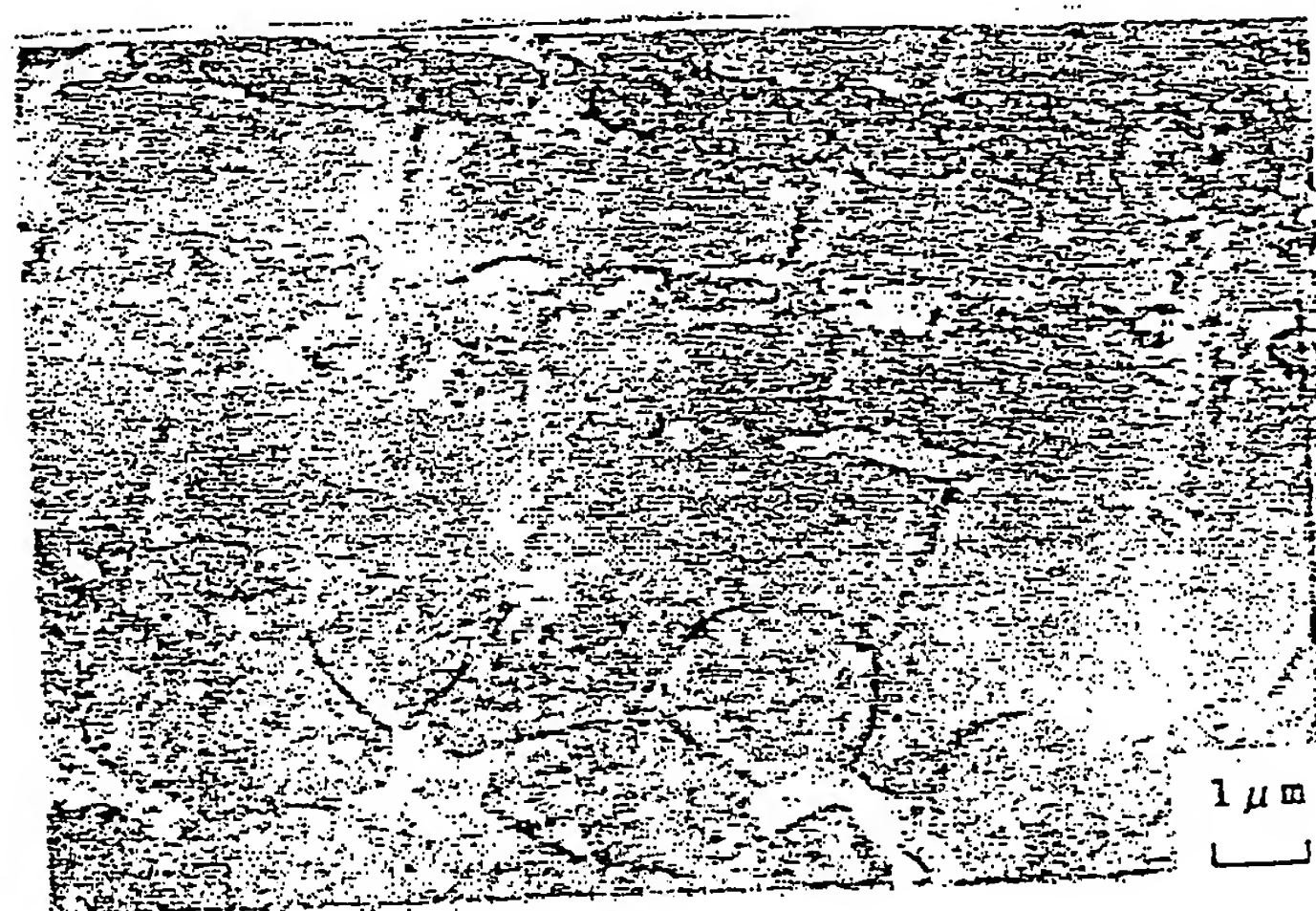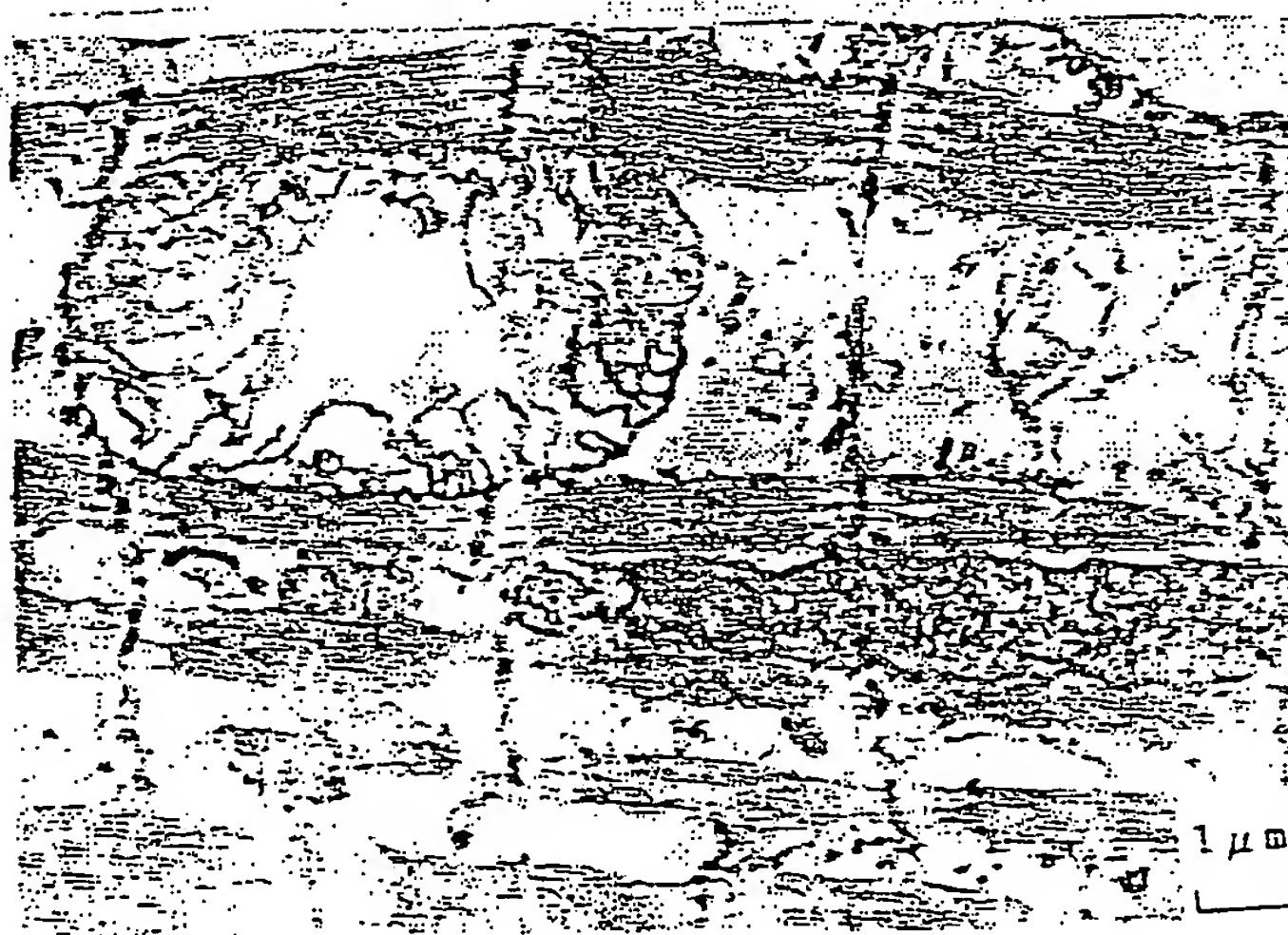| Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.320	VV	0.2476	523.23895	28.84586	2.3415
2	1.990	VV	0.0687	3608.51245	742.13055	16.1483
3	2.233	VV	0.1214	127.18691	14.92828	0.5692
4	2.491	VV	0.1013	371.21744	55.99518	1.6612

FIG.5

1 μm

FIG.6

1 μm

FIG.7

FIG.8

FIG.9

1 μ m

FIG.10

1 μ m

FIG.11

FIG.12

Time after injection min

FIG.13

raw material (cleaned and minced ventricular myocardium)

sterile distilled water is added to homogenize

homogenate

freezing and thawing, heating to
60-95°C at a water bath

filtering

residues   filtrate

filtration by plate-and-frame filter

coarse filtrate

hollow-fiber column filtration
MW < 12kDa

fine filtrate

Millipore ultrafiltration membrane,

MW < 12kDa

interception, MW < 12kDa

cardio myopeptidin solution
(4 mg of peptide is isolated from 1g of myocardium)

quality inspection, aseptic filtration

filling and lyophilization

cardio myopeptidin

FIG. 14